

SYSTEM AND METHOD FOR  
GENERATING AN ANALOG SIGNAL  
IN A HAND-HELD COMPUTING DEVICE

ABSTRACT OF THE DISCLOSURE

**[051]** A system is described for generating an analog signal representing displacement information in a hand-held computing device. In one embodiment, a hand-held computing device includes a housing sized so that a user can hold the computing device during operation. The device also includes a display and a set of controls integrated with the housing so that the user can input information to the device's processor using his or her digits. At least one of the controls is an analog input device configured such that when displaced it generates an analog signal representing that displacement.